PB89-186076

TOXIC RELEASE INVENTORY (TRI) DOCUMENTATION 1987

U.S. Environmental Protection Agency
Washington, DC

1987

U.S. Department of Commerce
National Technical Information Service

TRID PB89-186076

Toxic Release Inventory Documentation

1987

REPRODUCED BY
U.S. DEPARTMENT OF COMMERCE
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REPORT DOCUMENTATION PAGE	1. REPORT NO. EPA/DF/MT-89/035a	2.	3. Recipient's Accession No. PB89-186076

4. Title and Subtitle

Toxic Release Inventory (TRI) Documentation 1987

5. Report Date

6.

7. Author(s)

8. Performing Organization Rept. No.

9. Performing Organization Name and Address

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12. Sponsoring Organization Name and Address

U.S. Environmental Protection Agency
Office of Toxic Substances
401 M Street, SW
Washington, DC 20460

13. Type of Report & Period Covered

14.

15. Supplementary Notes

For diskette, see: PB89-186068

16. Abstract (Limit: 200 words)

The list of toxic chemicals subject to reporting consisted initially of chemicals listed for similar reporting purposes by the States of New Jersey and Maryland. There are over 300 chemicals and categories on these lists

17. Document Analysis a. Descriptors

b. Identifiers/Open-Ended Terms

c. COSATI Field/Group

18. Availability Statement	19. Security Class (This Report)	21. No. of Pages 73
	20. Security Class (This Page)	22. Price A04

(See ANSI-Z39.18)

See Instructions on Reverse

OPTIONAL FORM 272 (4-77)
(Formerly NTIS-35)
Department of Commerce

NOTICE

THIS DOCUMENT HAS BEEN REPRODUCED FROM THE BEST COPY FURNISHED US BY THE SPONSORING AGENCY. ALTHOUGH IT IS RECOGNIZED THAT CERTAIN PORTIONS ARE ILLEGIBLE, IT IS BEING RELEASED IN THE INTEREST OF MAKING AVAILABLE AS MUCH INFORMATION AS POSSIBLE.

TRIS TABLES DATA

The tape characteristics and record counts are as follows:

Number of Tapes:	1 Total
Density:	6250 BPI, 9-track
Labels:	Non Labelled
Character Set:	ASCII
Record Format:	Fixed Length, Fixed Blocksize
Record Length:	275
Blocksize:	22825
Tapes Creation Date:	19890428
Tape Number:	VOL=SER=(B00539)
Number of Records:	2902

Description of a record for each table is listed below:

1. Action Codes Table

Table Type :	TRACTN	Six character identifier of Action Codes Table.
Table Key :		Two character Action Code.
Desc Line 1:		Full description of an Action code.

2. Category Table

Table Type :	TRCATG	Six character identifier of Category Table.
Table Key :		Three character Category Code.
Desc Line 1:		Full description of a Category.

3. Methods Table

Table Type :	TRMETH	Six character identifier of Methods Table.
Table Key :		Three character Method Code.
Desc Line 1:		Full description of a Method.

4. Modifications Table

Table Type :	TRMODF	Six character identifier of Modifications Table.
Table Key :		Two character Modification Code.
Desc Line 1:		Full description of a Modification.

5. Range Table

Table Type :	TRRANG	Six character identifier of Range Table.
Table Key :		One character Range Code.
Desc Line 1:		Full description of a Range.

6. Disposal Types Table

Table Type :	TRTDIS	Six character identifier of Disposal Types Table.
Table Key :		Three character Disposal Type Code.
Desc Line 1:		Full description of a Disposal type.

7. Waste Minimization Codes Table

Table Type :	TRWAST	Six character identifier of Waste Minimization Codes Table.
Table Key :		One character Waste Minimization Code.
Desc Line 1:		Full description of a Waste Minimization Code.

8. SIC Codes Table

Table Type :	TRSICC	Six character identifier of SIC Codes Table.
Table Key :		Four character SIC Code.

Desc Line 1:		Name of Product/Process corresponding to a SIC code.

9. State Table

Table Type :	TRSTAT	Six character identifier of State Codes Table.
Table Key :		Two character state abbreviation.
Desc Line 1:		Full state name.
Desc Line 2:		EPA two=digit region identifier.

10. Maximum Amount Codes Table

Table Type :	TRMAXM	Six character identifier of Maximum Amount Codes Table.
Table Key :		Two character Maximum Amount Code.
Desc Line 1:		Starting point for a Range.
Desc Line 2:		Ending point for a Range.

11. Chemical/CAS Table

Table Type :	TRCHEM	Six character identifier of Chemical/CAS Table.
Table Key :		Nine character CAS number.
Desc Line 1:		Full Chemical name.
Desc Line 2:		Effective Date.
Desc Line 3:		Declassification date.

"NLM" Tape Format

March 2, 1989

1. Tape specification

The NLM Tape will have the following characteristics:

Density: 6250 BPI, 9-Track

Labels: Non Labelled

Character set: ASCII

2. File specification

There will be only one file on the tape. It will contain the TRIS data. The file will have the following characteristics:

File Name: TRIS.NLM4.LOAD

Record Format: Fixed Length, Fixed Blocksize

Record Length: 358

Blocksize: 7876

3. Record format

The file contains five (5) record types. In addition, record type 4 (Transfer/Release records) can have up to seven different Transfer/Release Type records. Each of these different record types are listed below. The data on the file will be sorted by Submission Number, Record Type and Transfer/Release Type. There will be one and only one Record Type 1 and 2 per submission. These two records will be followed by none, one or more of any of the other record types for the submission.

Record Type 1, Facility Identification

Record Type 2, Substance Identification & Waste Minimization

Record Type 3, SIC Codes (up to 10), D&B Numbers (up to 10), EPA ID Numbers (up to 10), and NPDES Permit Numbers (Up to 9)

Record Type 4, Release/Transfer Type 1
Non Point Air Emissions

Record Type 4, Release/Transfer Type 2
Point Air Emissions

Record Type 4, Release/Transfer Type 3
Water Discharges

Record Type 4, Release/Transfer Type 4
Underground Injections

Record Type 4, Release/Transfer Type 5
Releases to Land

Record Type 4, Release/Transfer Type 6
Publicly Owned Treatment Works (POTW)

Record Type 4, Release/Transfer Type 7
Other Off-Site Locations (OLOC)

Record Type 5, Waste Treatment

4. Detailed Record Format

Attached are the detailed record formats showing all the fields, and their starting position, length and ending position, for each of the above record types. All fields are defined as Alpha/Numeric. Numeric data is right justified and zero filled. The number of digits after the decimal point is shown in the "Decimal" column. The data itself will not contain a decimal point character. The same terms are used for field names as the NLM Unit Record description. Blank spaces are indicated by "Filler".

5. Indicating Sequential Treatment

Currently the TRIS data base does not explicitly capture information regarding sequential treatment. However space for two fields have been included, which can be used to indicate sequential treatment. The two fields are Sequential Treatment Group and Sequence Number, in Record Type 5. Sequential treatment group will link together the related treatment records in a sequential treatment process. The sequence number will indicate the position in the sequential treatment process.

6. Generic Chemical Effects Summary

Currently the TRIS data base does not contain information on Chemical Effects. When this information is added appropriate fields will be added to the end of record type 2.

Field Name	Start	Length	End	Decimal
Record Type (= 1)	1	1	1	
Filler	2	1	2	
Submission Number	3	15	17	
Tape Creation Date	18	8	25	
Reporting Year	26	4	29	
Last Revision Date	30	6	35	
EPA Region	36	2	37	
Covered Facility	38	1	38	
Facility Name	39	60	98	
Facility Street Address	99	60	158	
Facility City	159	25	183	
Facility County	184	25	208	
Facility State	209	2	210	
Facility Zip Code	211	9	219	
Public Contact	220	45	264	
Public Contact Telephone	265	10	274	
Latituude	275	7	281	
Longitude	282	7	288	
UIC ID Number	289	12	300	
Parent Company Name	301	45	345	
Parent Company D&B Number	346	9	354	
Filler	355	4	358	

Field Name	Start	Length	End	Decimal
Record type (= 2)	1	1	1	
Filler	2	1	2	
Submission Number	3	15	17	
Tape Creation Date	18	8	25	
CAS Registry Number	26	9	34	
Name of Substance	35	70	104	
Trade Secret Status	105	1	105	
Generic Chemical Name	106	70	175	
Mixture Component ID	176	70	245	
Manufacturing Uses (1)	246	2	247	
Manufacturing Uses (2)	248	2	249	
Manufacturing Uses (3)	250	2	251	
Manufacturing Uses (4)	252	2	253	
Manufacturing Uses (5)	254	2	255	
Manufacturing Uses (6)	256	2	257	
Processing Uses (1)	258	2	259	
Processing Uses (2)	260	2	261	
Processing Uses (3)	262	2	263	
Processing Uses (4)	264	2	265	
Other Uses (1)	266	2	267	
Other Uses (2)	268	2	269	
Other Uses (3)	270	2	271	
Maximum Amount On-Site	272	2	273	
Waste Min-Modification	274	2	275	
Waste Min-Current Yr Quantit	276	13	288	
Waste Min-Prior Yr Quantity	289	13	301	
Waste Min-Percent Change	302	6	307	2
Waste Min-Ratio of Production	308	3	310	1
Waste Min-Reason for Action	311	2	312	
State-County FIPS Code	313	5	317	
Assigned Centroid Latitude	318	7	324	
Assigned Centroid Longitude	325	7	331	
Filler	332	27	358	

Field Name	Start	Length	End
Record Type (= 3)	1	1	1
Record Sequence (1-3 valid)	2	1	2
Submission Number	3	15	17
Tape Creation Date	18	8	25
SIC Code (1)	26	4	29
SIC Code (2)	30	4	33
SIC Code (3)	34	4	37
SIC Code (4)	38	4	41
SIC Code (5)	42	4	45
SIC Code (6)	46	4	49
SIC Code (7)	50	4	53
SIC Code (8)	54	4	57
SIC Code (9)	58	4	61
SIC Code (10)	62	4	65
Facility D&B Number (1)	66	9	74
Facility D&B Number (2)	75	9	83
Facility D&B Number (3)	84	9	92
Facility D&B Number (4)	93	9	101
Facility D&B Number (5)	102	9	110
Facility D&B Number (6)	111	9	119
Facility D&B Number (7)	120	9	128
Facility D&B Number (8)	129	9	137
Facility D&B Number (9)	138	9	146
Facility D&B Number (10)	147	9	155
EPA ID Number (1)	156	12	167
EPA ID Number (2)	168	12	179
EPA ID Number (3)	180	12	191
EPA ID Number (4)	192	12	203
EPA ID Number (5)	204	12	215
EPA ID Number (6)	216	12	227
EPA ID Number (7)	228	12	239
EPA ID Number (8)	240	12	251
EPA ID Number (9)	252	12	263
EPA ID Number (10)	264	12	275
NPDES Permit Number (1)	276	9	284
NPDES Permit Number (2)	285	9	293
NPDES Permit Number (3)	294	9	302
NPDES Permit Number (4)	303	9	311
NPDES Permit Number (5)	312	9	320
NPDES Permit Number (6)	321	9	329
NPDES Permit Number (7)	330	9	338
NPDES Permit Number (8)	339	9	347
NPDES Permit Number (9)	348	9	356
Filler	357	2	358

Field Name	Start	Length	End	Decimal
Record Type (= 4)	1	1	1	
Release/Transfer Type (= 1)	2	1	2	
Submission Number	3	15	17	
Tape Creation Date	18	8	25	
Filler	26	12	37	
Filler	38	60	97	
Filler	98	60	157	
Filler	158	25	182	
Filler	183	25	207	
Filler	208	2	209	
Filler	210	9	218	
Non-Point Air-Total Release	219	2	220	
Non-Point Air-Basis of Estim	221	13	233	
Filler	234	2	235	
Filler	236	3	238	
Filler	239	30	268	
Filler	269	6	274	
Filler	275	3	277	
	278	81	358	

Field Name	Start	Length	End
Record Type (= 4)	1	1	1
Release/Transfer Type (= 2)	2	1	2
Submission Number	3	15	17
Tape Creation Date	18	8	25
Filler	26	12	37
Filler	38	60	97
Filler	98	60	157
Filler	158	25	182
Filler	183	25	207
Filler	208	2	209
Filler	210	9	218
Point Air - Total Release	219	2	220
Point Air - Basis of Estimate	221	13	233
Filler	234	2	235
Filler	236	3	238
Filler	239	30	268
Filler	269	6	274
Filler	275	3	277
Filler	278	81	358

Field Name	Start	Length	End	Decimal
Record Type (= 4)	1	1	1	
Release/Transfer Type (= 3)	2	1	2	
Submission Number	3	15	17	
Tape Creation Date	18	8	25	
Filler	26	12	37	
Filler	38	60	97	
Filler	98	60	157	
Filler	158	25	182	
Filler	183	25	207	
Filler	208	2	209	
Filler	210	9	218	
Water - Total Release	219	2	220	
Water - Basis of Estimate	221	13	233	
Filler	234	2	235	
Water - Receiving Stream	236	3	238	
Water - % from Stormwater	239	30	268	
Filler	269	6	274	2
Filler	275	3	277	
	278	81	358	

Field Name	Start	Length	End
Record Type (= 4)	1	1	1
Release/Transfer Type (= 4)	2	1	2
Submission Number	3	15	17
Tape Creation Date	18	8	25
Filler	26	12	37
Filler	38	60	97
Filler	98	60	157
Filler	158	25	182
Filler	183	25	207
Filler	208	2	209
Filler	210	9	218
Filler	219	2	220
Underground - Total Release	221	13	233
Underground - Basis of Estim	234	2	235
Filler	236	3	238
Filler	239	30	268
Filler	269	6	274
Filler	275	3	277
Filler	278	81	358

Field Name	Start	Length	End
Record Type (= 4)	1	1	1
Release/Transfer Type (= 5)	2	1	2
Submission Number	3	15	17
Tape Creation Date	18	8	25
Filler	26	12	37
Filler	38	60	97
Filler	98	60	157
Filler	158	25	182
Filler	183	25	207
Filler	208	2	209
Filler	210	9	218
Land - Total Release	219	2	220
Land - Basis of Estimate	221	13	233
Land - Disposal Method	234	2	235
Filler	236	3	238
Filler	239	30	268
Filler	269	6	274
Filler	275	3	277
	278	81	358

Field Name	Start	Length	End
Record Type (= 4)	1	1	1
Release/Transfer Type (= 6)	2	1	2
Submission Number	3	15	17
Tape Creation Date	18	8	25
Filler	26	12	37
POTW - Name	38	60	97
POTW - Street Address	98	60	157
POTW - County	158	25	182
POTW - City	183	25	207
POTW - State	208	2	209
POTW - Zip Code	210	9	218
Filler	219	2	220
POTW - Total Transfer	221	13	233
POTW - Basis of Estimate	234	2	235
Filler	236	3	238
Filler	239	30	268
Filler	269	6	274
Filler	275	3	277
Filler	278	81	358

Field Name	Start	Length	End
Record Type (= 4)	1	1	1
Release/Transfer Type (= 7)	2	1	2
Submission Number	3	15	17
Tape Creation Date	18	8	25
OLOC - EPA ID	26	12	37
OLOC - Name	38	60	97
OLOC - Street Address	98	60	157
OLOC - County	158	25	182
OLOC - City	183	25	207
OLOC - State	208	2	209
OLOC - Zip Code	210	9	218
OLOC - Control	219	2	220
OLOC - Total Transfer	221	13	233
OLOC - Basis of Estimate	234	2	235
OLOC - Type of Treatment	236	3	238
Filler	239	30	268
Filler	269	6	274
Filler	275	3	277
Filler	278	81	358

Field Name	Start	Length	End	Decimal
Record Type (= 5)	1	1	1	
Record Sequence (A-Z,1-9 valid)	2	1	2	
Submission Number	3	15	17	
Tape Creation Date	18	8	25	
General Treatment (1)	26	2	27	
Treatment Method	28	3	30	
Influent Concentration	31	2	32	
Sequential Treatment	33	2	34	
Treatment Efficiency	35	6	40	2
Basis of Treatment data	41	2	42	
Filler (Future: Seq.Group)	43	2	44	
Filler (Future: Seq.Number)	45	2	46	
Filler	47	2	48	
General Treatment (2)	49	2	50	
Treatment Method	51	3	53	
Influent Concentration	54	2	55	
Sequential Treatment	56	2	57	
Treatment Efficiency	58	6	63	2
Basis of Treatment data	64	2	65	
Filler (Future: Seq. Group)	66	2	67	
Filler (Future: Seq. Number)	68	2	69	
Filler	70	2	71	
General Treatment (3)	72	2	73	
Treatment Method	74	3	76	
Influent Concentration	77	2	78	
Sequential Treatment	79	2	80	
Treatment Efficiency	81	6	86	2
Basis of Treatment data	87	2	88	
Filler (Future: Seq. Group)	89	2	90	
Filler (Future: Seq. Number)	91	2	92	
Filler	93	2	94	
General Treatment (4)	95	2	96	
Treatment Method	97	3	99	
Influent Concentration	100	2	101	
Sequential Treatment	102	2	103	
Treatment Efficiency	104	6	109	2
Basis of Treatment data	110	2	111	
Filler (Future: Seq. Group)	112	2	113	
Filler (Future: Seq. Number)	114	2	115	
Filler	116	2	117	
General Treatment (5)	118	2	119	
Treatment Method	120	3	122	
Influent Concentration	123	2	124	
Sequential Treatment	125	2	126	
Treatment Efficiency	127	6	132	2
Basis of Treatment data	133	2	134	
Filler (Future: Seq. Group)	135	2	136	
Filler (Future: Seq. Number)	137	2	138	
Filler	139	2	140	

Field Name	Start	Length	End	Decimal
General Treatment (6)	141	2	142	
Treatment Method	143	3	145	
Influent Concentration	146	2	147	
Sequential Treatment	148	2	149	
Treatment Efficiency	150	6	155	2
Basis of Treatment data	156	2	157	
Filler (Future: Seq. Group)	158	2	159	
Filler (Future: Seq. Number)	160	2	161	
Filler	162	2	163	
General Treatment (7)	164	2	165	
Treatment Method	166	3	168	
Influent Concentration	169	2	170	
Sequential Treatment	171	2	172	
Treatment Efficiency	173	6	178	2
Basis of Treatment data	179	2	180	
Filler (Future: Seq. Group)	181	2	182	
Filler (Future: Seq. Number)	183	2	184	
Filler	185	2	186	
General Treatment (8)	187	2	188	
Treatment Method	189	3	191	
Influent Concentration	192	2	193	
Sequential Treatment	194	2	195	
Treatment Efficiency	196	6	201	2
Basis of Treatment data	202	2	203	
Filler (Future: Seq. Group)	204	2	205	
Filler (Future: Seq. Number)	206	2	207	
Filler	208	2	209	
General Treatment (9)	210	2	211	
Treatment Method	212	3	214	
Influent Concentration	215	2	216	
Sequential Treatment	217	2	218	
Treatment Efficiency	219	6	224	2
Basis of Treatment data	225	2	226	
Filler (Future: Seq. Group)	227	2	228	
Filler (Future: Seq. Number)	229	2	230	
Filler	231	2	232	
General Treatment (10)	233	2	234	
Treatment Method	235	3	237	
Influent Concentration	238	2	239	
Sequential Treatment	240	2	241	
Treatment Efficiency	242	6	247	2
Basis of Treatment data	248	2	249	
Filler (Future: Seq. Group)	250	2	251	
Filler (Future: Seq. Number)	252	2	253	
Filler	254	2	255	
Filler	256	103	358	

NLM TAPE DATA ELEMENTS
- DISPLAY FILES AND ELEMENTARY FIELDS -

FILE...: FILE 1
TYPE...: SEQUENTIAL

FILE COMMENTS ------- CREATED BY SYCOM, INC.

NAME	LENG
RECORD-TYPE-1	1
HAS A VALUE OF '1' TO DISTINGUISH THIS RECORD TYPE FROM THE OTHER 4 RECORD TYPES.	
SUBMISSION-NUMBER-1	15.0
A UNIQUE IDENTIFICATION ASSIGNED TO EACH SUBMISSION . FORMAT: TTYYNNNNNNNNNSS	
WHERE TT = DOCUMENT TYPE YY = REPORTING YEAR NNNNNNNNN = NUMBER WITH CHECK DIGIT SS = STATE CODE.	
REPORTING-YEAR	4.0
THE CALENDAR YEAR IN WHICH THE REPORTED ACTIVITIES OCCURRED	

LAST-REVISION-DATE 6.0

DATE OF LAST UPDATE TO A FIELD IN THE DATA BASE RECORD.

EPA-REGION 2.0 F

THE EPA REGION IN WHICH THE FACILITY IS LOCATED. (01-10)

COVERED-FACILITY 1.0

THE INDICATOR TO SHOW WHETHER THE INFORMATION COVERS AN ENTIRE OR PARTIAL FACILITY. "A"- ENTIRE ; "B"- PARTIAL ; BLANK- NO RESPONSE.

FACILITY-NAME-1 30.0

THE FIRST LINE OF THE NAME FOR THE FACILITY.

FACILITY-NAME-2 30.0

THE SECOND LINE OF THE NAME FOR THE FACILITY.

FACILITY-STREET-1 30.0

THE FIRST LINE OF THE STREET ADDRESS OF THE REPORTING FACILITY.

FACILITY-STREET-2 30.0

THE SECOND LINE OF THE STREET ADDRESS FOR THE LOCATION.

FACILITY-CITY 25.0

THE CITY IN WHICH THE REPORTING FACILITY IS LOCATED.

FACILITY-COUNTY 25.0

THE COUNTY IN WHICH THE REPORTING FACILITY IS LOCATED.

FACILITY-STATE 2.0 F

THE TWO LETTER STATE ABBREVIATION FOR THE FACILITY. VALIDATE THROUGH TABLE LOOKUP.

FACILITY-ZIP-CODE 9.0

THE CODE ASSIGNED BY THE U.S. POSTAL SERVICE FOR USE IN THE ADDRESS OF A FACILITY.

PUBLIC-CONTACT 45.0

THE NAME OF AN INDIVIDUAL WHOM PUBLIC MAY CONTACT IF CLARIFICATION OF THE INFORMATION ON THE REPORTING FORM IS REQUIRED.

PUBLIC-CONTACT-TELEPHONE 10.0

THE TELEPHONE NUMBER, INCLUDING AREA CODE, OF THE PUBLIC CONTACT.

FACILITY-LATITUDE	7.0
THE LATITUDE OF THE REPORTING FACILITY.	
FACILITY-LONGITUDE	7.0
THE LONGITUDE OF THE REPORTING FACILITY.	
UIC-ID	12.0
AN UNDERGROUND INJECTION CODE (UIC) IDENTIFICATION NUMBER ASSIGNED BY EPA OR A STATE, UNDER AUTHORITY OF THE STATE DRINKING WATER ACT, TO A FACILITY WHICH INJECTS CHEMICAL CONTAINING WASTE INTO CLASS 1 DEEP WELLS.	
PARENT-COMPANY-NAME	45.0
THE NAME OF THE CORPORATION OR OTHER BUSINESS ENTITY, THAT OWNS OR CONTROLS THE FACILITY.	
PARENT-DUNS-NUM	9.0
THE UNIQUE IDENTIFYING NUMBER ASSIGNED BY DUN ANDBRADSTREET TO THE PARENT COMPANY OF THE REPORTING FACILITY.	
ACTION-CODE	1
IDENTIFIES THE FOLLOWING 3 TYPES OF UPDATED RECORDS: A = ADDED M = MODIFIED D = DELETED	

FILE...: FILE 2
TYPE...: SEQUENTIAL

FILE COMMENTS ------- CREATED BY SYCOM, INC.

NAME	LENG
RECORD-TYPE-2 HAS A VALUE OF '2' TO DISTINGUISH THIS RECORD TYPE FROM THE OTHER 4 RECORD TYPES.	1
SUBMISSION-NUMBER-2 A UNIQUE IDENTIFICATION ASSIGNED TO EACH SUBMISSION . FORMAT: TTYYNNNNNNNNNSS WHERE TT = DOCUMENT TYPE YY = REPORTING YEAR NNNNNNNNN = NUMBER WITH CHECK DIGIT SS = STATE CODE.	15.0
CAS-REGISTRY-NUMBER A NUMBER ASSIGNED TO A CHEMICAL BY CHEMICAL ABSTRACTS SERVICE (CAS) AS A UNIQUE IDENTIFIER FOR THAT CHEMICAL.	9.0

NAME-OF-SUBSTANCE 70.0

THE NAME OF THE CHEMICAL, OR CHEMICAL CATEGORY LISTED IN SECTION 372.45 OF THE REGULATION, IF THE CHEMICAL HAS BEEN CLAIMED TRADE SECRET, THIS FIELD WILL CONTAIN THE GENERIC CHEMICAL NAME.

TRADE-SECRET-STATUS 1.0

AN INDICATOR IDENTIFYING THE TOXIC CHEMICAL BEING REPORTED IS CLAIMED AS TRADE SECRET. "S"- TRADE SECRET.

GENERIC-CHEMICAL-NAME 70.0

THE NAME OF THE CHEMICAL, OR CHEMICAL CATEGORY, AS LISTED IN SECTION 372.45 OF THE REGULATION. FILLED ONLY IF THE CHEMICAL HAS BEEN CLAIMED TRADE SECRET.

MIXTURE-COMPONENT ID 70.0 N

MIXTURE COMPONENT IDENTITY OR TRADE NAME PRODUCT WHICH CONTAINS A 313 CHEMICAL WHEN THE SPECIFIC CHEMICAL NAME OR CAS NUMBER IS KNOWN.

MANUFACTURING-USE-1 2.0 N

CODE INDICATING THE ACTIVITY OR USE OF THE CHEMICAL AT THE FACILITY: PRODUCE (1A)

MANUFACTURING-USE-2 2.0 N

CODE INDICATING THE ACTIVITY OR USE OF THE CHEMICAL AT THE FACILITY: IMPORT (1B)

MANUFACTURING-USE-3 2.0 N

CODE INDICATING THE ACTIVITY OR USE OF THE CHEMICAL AT THE FACILITY: PROCESSING (1C)

MANUFACTURING-USE-4 2.0 N

CODE INDICATING THE ACTIVITY OR USE OF THE CHEMICAL AT THE FACILITY: SALE/DISTRIBUTION (1D)

MANUFACTURING-USE-5 2.0 N

CODE INDICATING THE ACTIVITY OR USE OF THE CHEMICAL AT THE FACILITY: BYPRODUCT (1E)

MANUFACTURING-USE-6 2.0 N

CODE INDICATING THE ACTIVITY OR USE OF THE CHEMICAL AT THE FACILITY: IMPURITY (1F)

PROCESSING-USE-1 2.0 N

CODE INDICATING THE ACTIVITY OR USE OF THE CHEMICAL AT THE FACILITY: REACTANT (2A)

PROCESSING-USE-2 2.0 N

CODE INDICATING THE ACTIVITY OR USE OF THE CHEMICAL AT THE FACILITY: FORMULATION COMP. (2B)

PROCESSING-USE-3 2.0 N

CODE INDICATING THE ACTIVITY OR USE OF THE CHEMICAL AT THE FACILITY: ARTICLE COMP. (2C)

PROCESSING-USE-4 2.0 N

CODE INDICATING THE ACTIVITY OR USE OF THE CHEMICAL AT THE FACILITY: REPACKAGING (2D)

OTHER-USE-1 2.0 N

CODE INDICATING THE ACTIVITY OR USE OF THE CHEMICAL AT THE FACILITY: CHEM. PROCESSING AID (3A)

OTHER-USE-2 2.0 N

CODE INDICATING THE ACTIVITY OR USE OF THE CHEMICAL AT THE FACILITY: MANUFACTURING AID (3B)

OTHER-USE-3 2.0 N

CODE INDICATING THE ACTIVITY OR USE OF THE CHEMICAL AT THE FACILITY: ANCILLARY OR OTHER (3C)

MAXIMUM-AMOUNT-ONSITE 2.0

A CODE THAT INDICATES THE MAXIMUM QUANTITY OF THE CHEMICAL AT THE FACILITY, AT ANY TIME DURING THE CALENDAR YEAR. VALIDATE THROUGH TABLE LOOKUP.

WASTE-MIN-MODIFICATION 2.0

THE CODE CORRESPONDING TO TYPE OF WASTE MINIMIZATION ACTIVITY VALIDATE THROUGH TABLE LOOKUP.

WASTE-MIN-CURRENT-YR-QTY 13.0

TOXIC CHEMICAL WASTE IN POUNDS FOR THE REPORTING YEAR OF THE REPORTED CHEMICAL.

WASTE-MIN-PRIOR-YR-QTY 13.0

TOXIC CHEMICAL WASTE IN POUNDS FOR THE PRIOR YEAR OF THE REPORTED CHEMICAL.

WASTE-MIN-PCT-CHANGE 4.2

THE PERCENTAGE BY WEIGHT OF THE REPORTED CHEMICAL THAT IS DESTROYED OR CHEMICALLY CONVERTED BY A WASTE MINIMIZATION PROJECT.

WASTE-MIN-RATIO-OF-PRODUCTION 2.1

THE RATIO OF REPORTING YEAR PRODUCTION, OR USE, TO PRODUCTION IN THE YEAR PRIOR TO IMPLEMENTATION OF THE WASTE MINIMIZATION EFFORT, CALCULATED TO MOST CLOSELY REFLECT ACTIVITIES INVOLVING THE CHEMICAL.

WASTE-MIN-REASON-FOR-ACTION 2.0

THE CODE CORRESPONDING TO REASON FOR ACTION TAKEN TO REDUCE THE AMOUNT OF THE CHEMICAL BEING RELEASED FROM THE FACILITY. VALIDATE THROUGH TABLE LOOKUP.

STATE-COUNTY-FIPS-CODE 5.0

TWO CHARACTER AND THREE CHARACTER FIPS CODES CORRESPONDING TO FACILITY STATE AND FACILITY COUNTY.

ASSIGNED-CENTROID-LATITUDE 7.0

THE CENTROID LATITUDE ASSIGNED BASED ON ZIP CODE.

ASSIGNED-CENTROID-LONGITUDE 7.0

THE CENTROID LONGITUDE ASSIGNED BASED ON ZIP CODE.

FILE...: FILE 3
TYPE...: SEQUENTIAL

FILE COMMENTS ------- CREATED BY SYCOM, INC.

NAME	LENG
RECORD-TYPE-3 HAS A VALUE OF '3' TO DISTINGUISH THIS RECORD TYPE FROM THE OTHER 4 RECORD TYPES.	1
RECORD-SEQUENCE NUMBER USED TO SEQUENCE MULTIPLE RECORDS TYPE 3 DUE TO THE NECESSITY OF MAINTAINING THE PRIMARY SIC CODE IN THE FIRST POSITION ON THE FIRST TYPE 3 RECORD.	1.0
SUBMISSION-NUMBER-3 A UNIQUE IDENTIFICATION ASSIGNED TO EACH SUBMISSION . FORMAT: TTYYNNNNNNNNNSS WHERE TT = DOCUMENT TYPE YY = REPORTING YEAR NNNNNNNNN = NUMBER WITH CHECK DIGIT SS = STATE CODE.	15.0
SIC-CODE THE STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE. 10 FIELDS.	4.0

FACILITY-D&B-NUMBER 9.0

A UNIQUE IDENTIFYING NUMBER ASSIGNED BY DUN AND BRADSTREET TO THE REPORTING FACILITY.
10 FIELDS.

EPA-ID-NUMBER 12.0

EPA IDENTIFICATION NUMBER ASSIGNED BY EPA TO UNIQUELY IDENTIFY AN EPA MONITORED FACILITY.
10 FIELDS.

NPDES-PERMIT-NUMBER 9.0

A PERMIT NUMBER ASSIGNED TO A FACILITY BY EPA OR A STATE UNDER THE AUTHORITY OF THE CLEAN WATER ACT FOR THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM.
9 FIELDS.

FILE...: FILE 4
TYPE...: SEQUENTIAL

FILE COMMENTS ------- CREATED BY SYCOM, INC.

NAME	LENG
RECORD-TYPE-4 HAS A VALUE OF '4' TO DISTINGUISH THIS RECORD TYPE FROM THE OTHER 4 RECORD TYPES.	1
RELEASE-TRANSFER-TYPE THE 7 VALID TYPES ARE AS FOLLOWS: 1 NON-POINT AIR RELEASE 2 POINT AIR RELEASE 3 WATER RELEASE 4 UNDERGROUND RELEASE 5 LAND RELEASE 6 POTW TRANSFER 7 OFFSITE TRANSFER	1
SUBMISSION-NUMBER-4 A UNIQUE IDENTIFICATION ASSIGNED TO EACH SUBMISSION . FORMAT: TTYYNNNNNNNNSS WHERE TT = DOCUMENT TYPE YY = REPORTING YEAR NNNNNNNN = NUMBER WITH CHECK DIGIT SS = STATE CODE.	15.0

OLOC-EPA-ID 12.0

AN IDENTIFICATION NUMBER ASSIGNED TO THE OFF-SITE DISPOSAL FACILITY COVERED REGULATIONS OF THE RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) AND OTHER REGULATIONS SUPERFUND (CERCLA).

TRANSF-SITE-NAME-1 30.0

THE FIRST LINE FOR THE NAME OF THE OFF-SITE TREATMENT OR DISPOSAL SITE TO WHICH THE CHEMICAL IS SENT.

TRANSF-SITE-NAME-2 30.0

THE SECOND LINE FOR THE NAME OF THE OFF-SITE TREATMENT OR DISPOSAL SITE TO WHICH THE CHEMICAL IS SENT.

TRANSF-SITE-STREET-1 30.0

THE FIRST LINE OF THE ADDRESS OF THE OFF-SITE TREATMENT OR DISPOSAL SITE.

TRANSF-SITE-STREET-2 30.0

THE SECOND LINE OF THE ADDRESS FOR THE OFF-SITE TREATMENT OR DISPOSAL SITE.

TRANSF-SITE-COUNTY 25.0

THE COUNTY IN WHICH THE OFF-SITE TREATMENT OR DISPOSAL SITE IS LOCATED.

TRANSF-SITE-CITY 25.0

THE CITY IN WHICH THE OFF-SITE TRANSFER OR DISPOSAL SITE IS LOCATED.

TRANSF-SITE-STATE 2.0

THE TWO LETTER STATE ABBREVIATION FOR THE OFF-SITE TREATMENT OR DISPOSAL SITE.

TRANSF-SITE-ZIP-CODE 9.0

THE CODE ASSIGNED BY THE U.S. POSTAL SERVICE FOR USE IN THE ADDRESS OF AN OFF-SITE TREATMENT OR DISPOSAL SITE.

CONTROLLED-BY-FACIL-IND 2.0

INDICATE WHETHER THE OFF-SITE LOCATION TO WHICH TOXIC CHEMICALS ARE TRANSFERRED IN WASTES IS OWNED OR CONTROLLED BY THE FACILITY OR PARENT COMPANY. "Y"- YES ; "N"- NO .

RELEASE-TRANSFER-AMOUNT 13.0

ESTIMATED AMOUNT STATED IN NUMBER OF POUNDS; RANGES ARE STATED AS MIDPOINTS 250 AND 750.

IF THE AMOUNT IS A RANGE EST., THE FIGURE HAS AN 'M' IN THE RIGHTMOST POSITION; IF NOT, THE REAL ESTIMATE IS RIGHT-JUSTIFIED.
EXAMPLE:
250M REPRESENTS A MID-RANGE
250 REPRESENTS AN ESTIMATE

BASIS-FOR-ESTIMATE 2.0

THE PRINCIPAL METHOD BY WHICH THE TOTAL RELEASE ESTIMATE WAS CALCULATED.
VALUES ARE:
M - BASED ON MONITORING DATA
C - BASED ON MASS BALANCE CALCULATIONS
E - BASED ON PUBLISHED EMISSION FACTORS
O - OTHER

LAND-DISPOSAL-CODE 3.0

A CODE CORRESPONDING TO THE TYPE OF LAND DISPOSAL USED FOR THE TOXIC CHEMICAL AT THE FACILITY.
VALUES ARE:
D02 - LANDFILL;
D03 - LAND TREATMENT/ APPPLICATION/ FARMING;
D05 - SURFACE IMPOUNDMENT;
D99 - OTHER

STREAM-NAME

30.0

THE NAME OF EACH RECEIVING STREAM OR WATER BODY AS IT APPEARS ON THE NPDES PERMIT FOR THE FACILITY.

STORM-WATER-PCT

4.2

THE PERCENTAGE OF THE TOTAL QUANTITY (BY WEIGHT) OF THE CHEMICAL RELEASED TO WATER WHICH WAS CONTRIBUTED BY STORM WATER RUNOFF.

FILE...: FILE 5
TYPE...: SEQUENTIAL

FILE COMMENTS ------- CREATED BY SYCOM, INC.

NAME	LENG
RECORD-TYPE-5 HAS A VALUE OF '5' TO DISTINGUISH THIS RECORD TYPE FROM THE OTHER 4 RECORD TYPES.	1
RECORD-SEQUENCE A sequencing character for maintaining the treatment records in correct order when chronological sequence of treatments is indicated. Valid values are A-Z followed by 1-9.	1
SUBMISSION-NUMBER-5 A UNIQUE IDENTIFICATION ASSIGNED TO EACH SUBMISSION . FORMAT: TTYYNNNNNNNNSS WHERE TT = DOCUMENT TYPE YY = REPORTING YEAR NNNNNNNNN = NUMBER WITH CHECK DIGIT SS = STATE CODE.	15.0

THE FOLLOWING DATA FIELDS ARE REPEATED 10 TIMES:

GENERAL-TREATMENT	2

WASTESTREAM CODE:

A	= GASEOUS WASTE
L	= LIQUID WASTE
W	= WATER WASTE
S	= SOLID WASTE

TREATMENT-METHOD 3.0

THE CODE CORRESPONDING TO TREATMENT METHOD.

INFLUENT-CONCENTRATION 2.0

THE CODE CORRESPONDING TO THE RANGE CONCENTRATION OF THE TOXIC CHEMICAL IN THE WASTE-STREAM (IE. INFLUENT).

SEQUENTIAL-TREATMENT 2.0

INDICATES IF THE TREATMENT STEPS HAVE BEEN USED IN SEQUENCE, TO ESTIMATE THE TREATMENT EFFICIENCY OF THE OVERALL TREATMENT PROCESS.

TREATMENT-EFFICIENCY 4.2

THE ESTIMATE OF THE PERCENTAGE OF THE TOXIC CHEMICAL REMOVED FROM THE WATERSTREAM. THE EFFICIENCY REPRESENTS ANY DESTRUCTION , BIOLOGICAL DEGRADATION, CHEMICAL CONVER-SION, OR PHYSICAL REMOVAL OF THE CHEMICAL FROM THE WASTE STREAM BEING TREATED.

BASIS-OF-TREATMENT-DATA 2.0 N

INFORMATION GIVEN ON TREATMENT WAS BASED ON OPERATING DATA.
"Y"- YES ; "N" -NO .

Facts About Title III, Section 313: Toxic Release Inventory Reporting for 1987

Section 313 of the Emergency Planning and Community Right-to-Know Act (also known as Title III) of the Superfund Amendments and Reauthorization Act of 1986 (Public Law 99-499) requires EPA to establish an inventory of routine toxic chemical emissions from certain facilities. Facilities subject to this reporting requirement are required to complete a Toxic Chemical Release Form (Form R) for specified chemicals. The form must be submitted to EPA and those state officials designated by the governor, on or before July 1, 1988, and annually thereafter on July 1. These reports should reflect releases during the preceding calendar year.

The purpose of this reporting requirement is to inform the public and government officials about routine releases of toxic chemicals to the environment. It will also assist in research and the development of regulations, guidelines, and standards.

The reporting requirement applies to owners and operators of facilities that have 10 or more full-time employees, that are in Standard Industrial Classification (SIC) codes 20 through 39 (i.e., manufacturing facilities) and that manufacture (including importing), process or otherwise use a listed toxic chemical in excess of specified threshold quantities.

Facilities manufacturing or processing any of these chemicals in excess of 75,000 pounds in 1987 must report by July 1, 1988. Facilities manufacturing or processing in excess of 50,000 pounds in 1988 must report by July 1, 1989; thereafter, facilities manufacturing or processing more than 25,000 pounds in a year are required to submit the form. Facilities otherwise using listed toxic chemicals in quantities over 10,000 pounds in a calendar year are required to submit toxic chemical release forms by July 1 of the following year. EPA can revise these threshold quantities and covered SIC codes.

The list of toxic chemicals subject to reporting consisted initially of chemicals listed for similar reporting purposes by the States of New Jersey and Maryland. There are over 300 chemicals and categories on these lists. Through rulemaking and a petition process (by citizens, organizations, governors), EPA can modify this combined list.

The final Toxic Chemical Release Form and regulations for the 1987 reporting year were published in the Federal Register on February 16, 1988 (53 FR 4500-4554). The following information is required on the form:

-the name, location and type of business;

-off-site locations to which the facility transfers toxic chemicals in waste;

-whether the chemical is manufactured (including importation), processed, or otherwise used and the general categories of use of the chemical;

-an estimate (in ranges) of the maximum amounts of the toxic chemical present at the facility at any time during the preceding year;

-quantity of the chemical entering each medium--air, land, and water -- annually;

-waste treatment/disposal methods and efficiency of methods for each waste stream;

-optional information on waste minimization; and,

-a certification by a senior facility official that the report is complete and accurate.

Reports are sent to EPA and designated state agencies. EPA must establish and maintain a National Toxic Chemical Inventory based on the data submitted. The public can access the National database through the National Library of Medicine's TOXNET System, and obtain the data through other means, namely, microfiche, compact disc (CD-ROM), magnetic tape and the National

Report.

In addition to the toxic chemical release reporting requirements, Section 313 authorizes EPA to undertake a Mass Balance Study to be carried out by the National Academy of Sciences (NAS). The study will determine the feasibility, utility, and alternatives to collecting mass balance type information as a supplement to the currently required toxic release data. A report of this study must be submitted by EPA to Congress no later than October 17, 1991. An interim report from NAS is due to EPA in early 1989.

For more information, contact the Emergency Planning & Community Right-to-Know Information Hotline:

Hotline: 1-800-535-0202
(in Washington, D.C. - (202) 479-2449)
Hours: 8:30 am - 7:30 pm
(Eastern Time) Monday - Friday

This is NOT an emergency number.

Form Approved OMB No.: 2070-0093
Approval Expires: 01/91
Page 1 of 5

(Important: Type or print; read instructions before completing form.)

U.S. Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

EPA FORM **R**

Section 313, Title III of The Superfund Amendments and Reauthorization Act of 1986

PART I. FACILITY IDENTIFICATION INFORMATION

(This space for EPA use only.)

SAMPLE

1. 1.1 Does this report contain trade secret information? ☐ Yes (Answer 1.2) ☒ No (Do not answer 1.2)

1.2 Is this a sanitized copy? ☐ Yes ☐ No

1.3 Reporting Year: 1987

2. CERTIFICATION (Read and sign after completing all sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official: Mr. Stanley L. Pirx, III, Vice President, Battery Products Division

Signature:

Date signed: February 12, 1988

3. FACILITY IDENTIFICATION

3.1 Facility or Establishment Name: Pirx-Lewis, Inc., Battery Products Division
Street Address: 10545 Cerillos Road
City: Albuquerque
County: Bernadillo
State: NM
Zip Code: 8 1 1 0 3 - 0 4 2 0

3.2 This report contains information for: (check one)
a. ☒ An entire covered facility.
b. ☐ Part of a covered facility.

3.3 Technical Contact: Mr. Roberto Garcia
Telephone Number (include area code): (505) 752 - 5360

3.4 Public Contact: Ms. Sandy A. Range
Telephone Number (include area code): (505) 752 - 5363

3.5 a. SIC Code: 3691 b. N/A c.

3.6 Latitude: Deg. 03 Min. 51 Sec. 00
Longitude: Deg. 106 Min. 30 Sec. 00

3.7 Dun & Bradstreet Number(s): a. 91-976-2270 b. N/A

3.8 EPA Identification Number (RCRA I.D. No.): a. NMD 091976270 b. N/A

3.9 NPDES Permit Number(s): a. N/A b.

3.10 Name of Receiving Stream(s) or Water Body(s):
a. Tijeros Arroyo
b. N/A
c.

3.11 Underground Injection Well Code (UIC) Identification No.: N/A

Where to send completed forms:

U.S. Environmental Protection Agency
P.O. Box 70266
Washington, DC 20024-0266
Attn: Toxic Chemical Release Inventory

4. PARENT COMPANY INFORMATION

4.1 Name of Parent Company: Cibola Motor Works

4.2 Parent Company's Dun & Bradstreet No.: 91-783-4567

(Important: Type or print; read instructions before completing form.)

(This space for EPA use only.)

EPA FORM R
PART II. OFF-SITE LOCATIONS TO WHICH TOXIC CHEMICALS ARE TRANSFERRED IN WASTES

SAMPLE

1. PUBLICLY OWNED TREATMENT WORKS (POTW)

Facility Name: City of Albuquerque Treatment Works

Street Address: 50100 U.S. Route 66

City: Albuquerque | County: Bernadillo

State: NM | Zip: 8 7 1 0 5 - 9 9 8 7

2. OTHER OFF-SITE LOCATIONS - Number these locations sequentially on this and any additional page of this form you use.

[A] Other off-site location

EPA Identification Number (RCRA ID. No.): C O D 5 5 4 6 9 8 7 6 4

Facility Name: Colorado Waste Disposal, Inc.

Street Address: 10500 County Route 76

City: Golden | County: Jefferson

State: CO | Zip: 8 0 3 0 5 - 1 3 1 1

Is location under control of reporting facility or parent company? [ ] Yes [X] No

[ ] Other off-site location

EPA Identification Number (RCRA ID. No.):

Facility Name: N/A

Street Address:

City: | County:

State: | Zip: -

Is location under control of reporting facility or parent company? [ ] Yes [ ] No

[ ] Other off-site location

EPA Identification Number (RCRA ID. No.):

Facility Name:

Street Address:

City: | County:

State: | Zip: -

Is location under control of reporting facility or parent company? [ ] Yes [ ] No

[ ] Check if additional pages of Part II are attached.

(Important: Type or print; read instructions before completing form.)

(This space for EPA use only.)

EPA FORM R
PART III. CHEMICAL SPECIFIC INFORMATION

SAMPLE

1. CHEMICAL IDENTITY

1.1 ☐ Trade Secret (Provide a generic name in 1.4 below. Attach substantiation form to this submission.)

1.2 CAS # N/A - - (Use leading zeros if CAS number does not fill space provided.)

1.3 Chemical or Chemical Category Name: Lead Compounds

1.4 Generic Chemical Name (Complete only if 1.1 is checked.)

2. MIXTURE COMPONENT IDENTITY (Do not complete this section if you have completed Section 1.)

Generic Chemical Name Provided by Supplier (Limit the name to a maximum of 70 characters (e.g., numbers, letters, spaces, punctuation)).

3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Check all that apply.)

3.1	Manufacture:	a. [X] Produce	b. ☐ Import	c. [X] For on-site use/processing	d. ☐ For sale/ distribution	e. ☐ As a byproduct	f. ☐ As an impurity
3.2	Process:	a. [X] As a reactant	b. ☐ As a formulation component	c. [X] As an article component	d. ☐ Repackaging only		
3.3	Otherwise Used:	a. ☐ As a chemical processing aid	b. ☐ As a manufacturing aid	c. ☐ Ancillary or other use			

4. MAXIMUM AMOUNT OF THE CHEMICAL ON SITE AT ANY TIME DURING THE CALENDAR YEAR

06 (enter code)

5. RELEASES OF THE CHEMICAL TO THE ENVIRONMENT

You may report releases of less than 1,000 lbs. by checking ranges under A.1.

		A. Total Release (lbs/yr) A.1 Reporting Ranges 0	1–499	500–999	A.2 Enter Estimate	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1 Fugitive or non-point air emissions	5.1a		X			5.1b O	
5.2 Stack or point air emissions	5.2a				2400	5.2b M	
5.3 Discharges to water (Enter letter code from Part I Section 3.10 for streams(s).) 5.3.1 A	5.3.1a		X			5.3.1b M	5.3.1c 100
5.3.2 ☐	5.3.2a				N/A	5.3.2b ☐	5.3.2c N/A
5.3.3 ☐	5.3.3a					5.3.3b ☐	5.3.3c
5.4 Underground injection	5.4a				N/A	5.4b ☐	
5.5 Releases to land 5.5.1 D05 (enter code)	5.5.1a				1500	5.5.1b C	
5.5.2 (enter code)	5.5.2a				N/A	5.5.2b C	
5.5.3 (enter code)	5.5.3a					5.5.3b ☐	

☐ (Check if additional information is provided on Part IV–Supplemental Information.)

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6. TRANSFERS OF THE CHEMICAL IN WASTE TO OFF-SITE LOCATIONS

You may report transfers of less than 1,000 lbs. by checking ranges under A.1.	A. Total Transfers (lbs/yr)				B. Basis of Estimate (enter code)	C. Type of Treatment/ Disposal (enter code)
	A.1 Reporting Ranges			A.2 Enter Estimate		
	0	1–499	500–999			
6.1 Discharge to POTW		X			6.1b M	
6.2 Other off-site location (Enter block number from Part II, Section 2.) A		X			6.2b O	6.2c M 7 2
6.3 Other off-site location (Enter block number from Part II, Section 2.)				N/A	6.3b	6.3c
6.4 Other off-site location (Enter block number from Part II, Section 2.)					6.4b	6.4c

☐ (Check if additional information is provided on Part IV-Supplemental Information)

SAMPLE

7. WASTE TREATMENT METHODS AND EFFICIENCY

A. General Wastestream (enter code)	B. Treatment Method (enter code)	C. Range of Influent Concentration (enter code)	D. Sequential Treatment? (check if applicable)	E. Treatment Efficiency Estimate	F. Based on Operating Data? Yes	F. Based on Operating Data? No
7.1a A	7.1b A 0 6	7.1c 3	7.1d X	7.1e %	7.1f ☐	X
7.2a A	7.2b A 0 6	7.2c ☐	7.2d X	7.2e 99.5 %	7.2f ☐	X
7.3a A	7.3b A 0 6	7.3c 3	7.3d ☐	7.3e 98.0 %	7.3f ☐	X
7.4a A	7.4b A 0 3	7.4c 3	7.4d ☐	7.4e 90.0 %	7.4f ☐	X
7.5a A	7.5b A 0 6	7.5c 3	7.5d ☐	7.5e 98.0 %	7.5f ☐	X
7.6a W	7.6b P 1 1	7.6c 2	7.6d X	7.6e %	7.6f X	☐
7.7a W	7.7b C 0 1	7.7c ☐	7.7d X	7.7e %	7.7f X	☐
7.8a W	7.8b P 9 9	7.8c ☐	7.8d X	7.8e 100 %	7.8f X	☐
7.9a W	7.9b P 1 1	7.9c 2	7.9d X	7.9e %	7.9f X	☐
7.10a W	7.10b R 9 9	7.10c ☐	7.10d X	7.10e 100 %	7.10f X	☐
7.11a W	7.11b C 0 1	7.11c 3	7.11d X	7.11e %	7.11f X	☐
7.12a W	7.12b P 1 2	7.12c ☐	7.12d X	7.12e 85.0 %	7.12f X	☐
7.13a ☐	7.13b	7.13c ☐	7.13d ☐	7.13e %	7.13f ☐	☐
7.14a ☐	7.14b	7.14c ☐	7.14d ☐	7.14e %	7.14f ☐	☐

☐ (Check if additional information is provided on Part IV-Supplemental Information.)

8. OPTIONAL INFORMATION ON WASTE MINIMIZATION

(Indicate actions taken to reduce the amount of the chemical being released from the facility. See the instructions for coded items and an explanation of what information to include.)

A. Type of modification (enter code)	B. Quantity of the chemical in the wastestream prior to treatment/disposal			C. Index	D. Reason for action (enter code)
	Current reporting year (lbs/yr)	Prior year (lbs/yr)	Or percent change		
M 2	121,700	121,800	%	1 0	R 2

U.S. GOVERNMENT PRINTING OFFICE: 1988-516-002/80069

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(Important: Type or print; read instructions before completing form.)

EPA FORM R

PART IV. SUPPLEMENTAL INFORMATION

Use this section if you need additional space for answers to questions in Parts I and III. Number or letter this information sequentially from prior sections (e.g., D.E, F, or 5.54, 5.55).

(This space for EPA use only.)

ADDITIONAL INFORMATION ON FACILITY IDENTIFICATION (Part I - Section 3)

3.5	SIC Code	
3.7	Dun & Bradstreet Number(s)	
3.8	EPA Identification Number(s) RCRA I.D. No.)	
3.9	NPDES Permit Number(s)	
3.10	Name of Receiving Stream(s) or Water Body(s)	

ADDITIONAL INFORMATION ON RELEASES TO LAND (Part III - Section 5.5)

Releases to Land	A. Total Release (lbs/yr)					B. Basis of Estimate (enter code)
		A.1 Reporting Ranges 0	1-499	500-999	A.2 Enter Estimate	
5.5___ ☐☐☐ (enter code)	5.5___a					5.5___b ☐
5.5___ ☐☐☐ (enter code)	5.5___a					5.5___b ☐
5.5___ ☐☐☐ (enter code)	5.5___a					5.5___b ☐

ADDITIONAL INFORMATION ON OFF-SITE TRANSFER (Part III - Section 6)

	A. Total Transfers (lbs/yr)					B. Basis of Estimate (enter code)	C. Type of Treatment/ Disposal (enter code)
		A.1 Reporting Ranges 0	1-499	500-999	A.2 Enter Estimate		
6.___ Discharge to POTW	6.___a					6.___b ☐	
6.___ Other off-site location (Enter block number from Part II, Section 2.) ☐	6.___a					6.___b ☐	6.___c. ☐☐☐
6.___ Other off-site location (Enter block number from Part II, Section 2.) ☐	6.___a					6.___b ☐	6.___c. ☐☐☐

ADDITIONAL INFORMATION ON WASTE TREATMENT (Part III - Section 7)

A. General Wastestream (enter code)	B. Treatment Method (enter code)	C. Range of Influent Concentration (enter code)	D. Sequential Treatment? (check if applicable)	E. Treatment Efficiency Estimate	F. Based on Operating Data? Yes	No
7.___a ☐	7.___b ☐☐☐	7.___c ☐	7.___d ☐	7.___e %	7.___f ☐	☐
7.___a ☐	7.___b ☐☐☐	7.___c ☐	7.___d ☐	7.___e %	7.___f ☐	☐
7.___a ☐	7.___b ☐☐☐	7.___c ☐	7.___d ☐	7.___e %	7.___f ☐	☐
7.___a ☐	7.___b ☐☐☐	7.___c ☐	7.___d ☐	7.___e %	7.___f ☐	☐
7.___a ☐	7.___b ☐☐☐	7.___c ☐	7.___d ☐	7.___e %	7.___f ☐	☐

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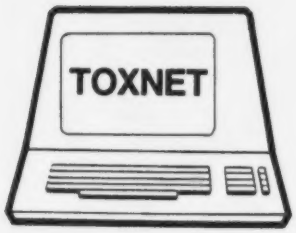

TRI

TOXIC CHEMICAL RELEASE INVENTORY

FACT SHEET

NATIONAL LIBRARY of MEDICINE

****** COMING SPRING 1989 ******

TRI DEFINED

TRI (the Toxic Chemical Release Inventory) will contain information on the annual estimated releases of toxic chemicals to the environment. Based upon data collected by the Environmental Protection Agency (EPA), the file will become part of the National Library of Medicine's (NLM) Toxicology Data Network (TOXNET) and be available online for public access sometime in the late Spring of 1989.

TRI BACKGROUND

Mandated by Title III of the SUPERFUND Amendments and Reauthorization Act (SARA) of 1986, the Inventory contains provisions for the reporting, by industry, of data on over 300 toxic chemicals into the air, water, and land. Data submitted to EPA includes names and addresses of facilities which manufacture, process, or otherwise use these chemicals, as well as amounts released to the environment or tranferred to waste sites. Title III, also known as the Emergency Planning and Community Right-to-Know Act, calls for the EPA to collect this data nationwide on an annual basis. The Law mandates that the data be made publicly available through a computer database. The online **TRI** file is likely to have a broad based user audience including industry, state and local environmental agencies, emergency planning committees, the Federal government, and other regulatory groups. Another important user group is likely to be concerned citizens who, on their own or through public interest groups and public libraries, will use **TRI** to answer their questions about chemical releases in their communities.

TRI FILE STRUCTURE

TRI data will be arranged in the following broad categories:

Facility Identification
Substance Identification
Environmental Release of Chemical
Waste Treatment
Off-Site Waste Transfer

The data includes the names, addresses and public contacts of plants manufacturing, processing or using the reported chemicals, the maximum amount stored on site, the estimated quantity emitted into the air (point and non-point emissions), discharged into bodies of water, injected underground, or released to land, methods used in waste treatment and their efficiency, and data on the transfer of chemicals off-site for treatment/disposal, either to publicly owned treatment works or elsewhere.

Bethesda, Maryland 20894

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES / Public Health Service / National Institutes of Health

SEARCHING TRI

TRI will be a component file of NLM's TOXNET system. Utilizing a free text search capability, full Boolean logic, a powerful and flexible command language and a variety of online user assistance features, TOXNET offers state-of-the-art user-friendly searching. Online and offline printing of entire or specified portions of records will be available, as will a variety of customized print options. Special **TRI** features will allow sorting and numerical manipulation of data. A menu-driven search package will allow individuals with limited computer skills to search **TRI** efficiently.

TRI IN ACTION

TRI users will be able to ask such questions as:

- How much benzene was reported released to waterways in 1987 by Virginia industrial plants?
- What waste minimization methods are reported by Marin County manufacturers of toluene?
- How much chlorine gas have entire plants of Company XYZ released into the air last year throughout the country?
- What are the names and addresses of Baltimore steel plants importing vanadium?
- What quantity of sulfuric acid at Boston's ABC Waste Treatment Facility is transferred there from outside the State of Massachusetts?

TRI AVAILABILITY

TRI will be available 24 hours/day, 7 days/week, except for a brief daily maintenance period.

TRI ACCESS

Registered NLM online services users will be able to access **TRI** on the TOXNET system by direct dial or through the TELENET or TYMNET telecommunication networks. **TRI** users will also automatically have access to all TOXNET and other NLM files, through the TOXNET Gateway. Other NLM files may be used to obtain supporting information in such areas as health hazards and emergency handling of **TRI** chemicals.

TRI USER SERVICES

For further details about the status of the **TRI** file, contact:

TRI Representative
Specialized Information Services
National Library of Medicine
8600 Rockville Pike
Bethesda, MD 20894

Telephone (301) 496-6531

Interested parties should note that an application package to become a registered TOXNET user is available now. Registered users have immediate access to current TOXNET files (Hazardous Substances Data Bank, Registry of Toxic Effects of Chemical Substances, Chemical Carcinogenesis Research Information System) and all other NLM files, including the TOXLINE/TOXLIT group, which contain some 2.5 million references on literature related to toxic chemicals. Further, current users are kept up-to-date about the status of **TRI** through online NEWS messages and the NLM *Technical Bulletin*, and will be able to search **TRI** as soon as it comes online in the Spring.

February 1989

PUBLIC ACCESS TO THE TOXIC RELEASE INVENTORY BY OTHER MEANS

FACT SHEET

The Environmental Protection Agency (EPA), under section 313 of the Emergency Planning and Community Right-to-Known Act of the Superfund Amendments and Reauthorization Act of 1986 (P.L. 99-499), is required to provide public access to the National Toxic Release Inventory by telecommunications and by other means. The following outlines the other means by which EPA plans to publish, nationally distribute and generally make available the first annual Inventory.

I. THE 1987 INVENTORY WILL BE AVAILABLE IN THE FOLLOWING MULTI-MEDIA FORMATS

- Magnetic Tape - the total national data.

- Magnetic Tape - partial data "listing of all of the reporting facilities" -- includes only the reporting facility name and address, public contact and phone number and Standard Industrial Classification codes.

- COMFICHE (Computer Output microfiche) - total national data and State data.

- CD-ROM - (compact disc-read only memory) - the total national data.

- Microcomputer Floppy disk - partial data for each State--includes the chemical substance and Chemical Abstracts Service Registry Number (CAS RN), TRI number, reporting facility name and address; and releases to the environmental media, publicly owned treatment works, and to other off-site locations. Formats in LOTUS and dBASE III for the IBM PS2, IBM PCAT and Macintosh.

- Paper - National Report -- summary, comparative and statistical analysis of the total Inventory -- full report and executive summary.

II. AVAILABILITY OF OTHER MEANS

All products are scheduled to be completed in the spring and 1989 except for CD-ROM which will completed this summer.

III. DISTRIBUTION OF OTHER MEANS

o EPA plans to distribute the Inventory nationwide through the Government Printing Office to the Federal Depository Library Program, to EPA Regions and Libraries, States, and to local public libraries (non-depositories). EPA's objective is to make the Inventory available and accessible within each community to all citizens.

o All other means products will be available from:

National Technical Information Service (NTIS)
U. S. Department of Commerce
5285 Port Royal Road
Springfield, Virginia 22161
phone: 703-487-4650

U.S. Government Printing Office - Main Bookstore
710 North Capitol Street, N.W.
Washington, D.C. 20401
phone: 202-275-2091

IV. AVAILABILITY OF OTHER MEANS

o EPA, NTIS and GPO will publicize the availability dates, order numbers, and prices for the other means as these are completed.

V. PUBLIC INQUIRIES - USER SUPPORT

Inquiries about TRI other means and Title III can be can be directed to:

section 313: TRI REporting Center
470 L'Enfant Plaza East, S.W.- Suite 7103
Washington, DC 20024
202-488-1501
(Hours- 8:30am - 4:30pm ET Mon-Fri)

Title III: Emergency Planning and Community Right-to-Know Information Hotline
1-800-535-0202 (in Washington, DC 479-2449)
(Hours- 8:30am - 7:30pm ET Mon-Fri)

EPA Contact: Geraldine D. Nowak
US EPA- Ofice of Toxic Substances
Information Management Division (TS-793)
401 M Street, SW
Washington, DC 20460
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4/21/89